

## ABSTRACT OF THE DISCLOSURE

A compact disk drive controller to control the access of information from an optical compact disk (CD) digital data storage device by a host computer using an integrated drive electronics (IDE) data bus or an industry standard architecture (ISA) data bus is disclosed. A digital signal processor (DSP) interface to the drive electronics of the CD drive, a dynamic random access memory (DRAM) controller, an error correction code (ECC) data corrector, an error detection and correction (EDC) device employing cyclical redundancy checking techniques (EDC/CRC), and a host computer interface are described.